

Date: Mon, 3 Oct 94 23:09:23 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: List  
Subject: Info-Hams Digest V94 #1090  
To: Info-Hams

Info-Hams Digest                      Mon, 3 Oct 94                      Volume 94 : Issue 1090

Today's Topics:

BUL345 MGT ACS/RACES Plans 3/3  
BUL 346: RACES, What's That?  
Expose - Wouff-Hong  
GB2RS News 2nd October (Jeffery Herman)  
Improve Cordless Phone Range??  
NA4G's "National Electrical Code for Hams"  
Should I build or buy a TV antenna?  
Voltage Conversion: USA to France  
WTB: UHF range ][ Syntor  
Yaesu FT-530 for sale

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: 3 Oct 94 15:42:48 GMT  
From: enge@almaden.ibm.COM (Roy Engehausen)  
Subject: BUL345 MGT ACS/RACES Plans 3/3

Bid: \$RACESBUL.345  
Subject: BUL345 MGT ACS/RACES Plans 3/3

From: W6WWW@KD6XZ.#NOCAL.CA.USA.NOAM  
To : RACES@ALLUS

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO  
INFO: ALL COMMUNICATIONS VOLUNTEERS IN GOVERNMENT SERVICE

INFO: ALL AMATEURS U.S (@USA: INFORMATION), CAP, MARS.  
FROM: CA GOVERNORS OFFICE OF EMERGENCY SERVICES  
(W6SIG@WA6NWE.CA) PH: 916-262-1600, 2800 Meadowview Rd.,  
Sacramento, CA 95832. Landline BBS, 916-262-1657 (Open  
to all). Internet crm@oes.ca.gov or seh@oes.ca.gov

BULLETIN 345 MGT ACS/RACES Plans 3/3  
Release Date: September 26, 1994

ACS/RACES relationships are based on leadership and cooperation, NOT on hierarchical power positions. Hence, no one level of ACS or RACES Radio Officer has more authority than another, such as a county RACES Radio Officer over a City RACES Radio Officer, or a State Radio Officer over a County Radio Officer. Each Radio Officer serves the one government for which he/she is the unpaid government public safety communications employee. Each has the responsibility and authority only for THAT specific jurisdiction, state, county or city. These three levels of government involved with RACES plans work on the basis of mutual aid and cooperation, NOT authority. Part of that cooperation is submitting city plans to the county and county plans to the state for approval-concurrence. As a matter of self protection a jurisdiction may reasonably require official signatures on a plan before it concurs.

The level of communications nets for an ACS/RACES plan are basic. A city plan addresses city to county, intra-city, and maybe inter-city communications. A county plan addresses county to state, intra-county, and possibly inter-county communications. A state plan addresses state to counties, intra-state government, interstate, state to Federal government, and possibly state to public utility and other essential communications. There is no FEMA or Federal RACES. However, a Federal government radio station may enter a RACES net. Such net levels are graphically depicted in the new California State plan. An emergency communications reserve plan should reflect current conditions, not plans long out of date. A communications plan does not discuss what might be or what is planned for the near future. Remember the old saying about the best laid plans of mice and men?

For a copy of modern county and city plan formats, send a 3.5" disc with return SASE mailer to this office; For DOS it is in ASCII but WITHOUT graphics. For the MAC, its in MSWord 5.1 with the graphics. For the printed State of California plan with graphics plus annexes for the transportation and health departments send a check for \$11 payable to the State of California and request the "1994 California ACS plan".

EOM.

-----  
RACES Bulletins are archived on the Internet at ftp.ucsd.edu in hamradio/races or in hamradio/packet/tcpip/incoming and can be retrieved using FTP. The opinions stated are those of the author of the bulletin and not the poster.  
-----

Date: 4 Oct 94 00:50:18 GMT  
From: enge@almaden.ibm.COM (Roy Engehausen)  
Subject: BUL 346: RACES, What's That?

Bid: \$RACESBUL.346  
Subject: BUL 346: RACES, What's That?

From: W6WWW@KD6XZ.#NOCAL.CA.USA.NOAM  
To : RACES@ALLUS

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO  
INFO: ALL COMMUNICATIONS VOLUNTEERS IN GOVERNMENT SERVICE  
INFO: ALL AMATEURS U.S (@USA: INFORMATION), CAP, MARS.  
FROM: CA GOVERNORS OFFICE OF EMERGENCY SERVICES  
(W6SIG@WA6NWE.CA) PH: 916-262-1600, 2800 Meadowview Rd.,  
Sacramento, CA 95832. Landline BBS, 916-262-1657 (Open  
to all). Internet crm@oes.ca.gov or seh@oes.ca.gov

BULLETIN 346 Category: Management - Overview:  
Release Date: October 3, 1994

RACES, What's That?

Ever see that question in the eyes of someone who has just heard that term, possibly for the first time?

Well I do, far too often. At State OES there is a constant stream of officials from an agency somewhere around the country. Sometimes the introductory remarks of the staff person that brings them in will include a phrase like "this is our RACES". All too often, I perceive the visitors mental question, "RACES, what's that?". Sometimes it's very obvious and asked out loud. Other times it may remain unvoiced. It is usually accompanied by a slight change in the way their head is held as their "body language" projects that mental question to a phrase that has little or no meaning to that person.

So how do I respond? Well, that's the interesting part. When the explanation avoids the use of the term "Amateur" I find that they leave with a good understanding of our Auxiliary Communications Service. But if the term "Amateur", as in Radio Amateur Civil Emergency Service", is spoken, there is almost a guaranteed response; one that few of us would appreciate. That response is a far too often 'shutting down' of further curiosity. Something in the term "amateur" triggered an association that stifles further openness or interest. Oh, they may be polite and listen but its easy to tell they have already closed down their mental process to what is being said.

Those who work with people are aware that interpersonal communication is fragile. That process begins with a thought in your mind; then you express it in words so I become aware of it as well. My senses hear or see what you say, along with what you don't say, which usually shows up as unspoken "body language". In response my mental process INTERPRETS that sensory input and the result becomes your "message" as I received it. It may be close to what you had in mind as you spoke your words, but it may be so far removed from what you had in mind that you'd never believe it could be that different. If somewhere along the way something in your words or your silent body language triggers another image or thought in my mind, I may be totally distracted and never hear the rest of what you say. In a way it's a wonder we humans communicate to any great degree at all. Probably even marvelous .

So how does that apply to the topic "RACES, What's That"? Well, check next week for the sequel!  
EOM.

-----  
RACES Bulletins are archived on the Internet at ftp.ucsd.edu in hamradio/races or in hamradio/packet/tcpip/incoming and can be retrieved using FTP. The opinions stated are those of the author of the bulletin and not the poster.

-----  
Date: 3 Oct 94 18:21:28 -0400  
From: grimm@alison.sbc.edu (Kenneth Grimm)  
Subject: Expose - Wouff-Hong

> With all the talk of Wouff Hong (sic) I decided to search my magazine  
> archives as a research project. Not surprisingly, I turned up a singular  
> reference, which I quote below verbatim:-





This document contains excerpts of the National Electrical Code (NFPA 70-1990) that, in the author's opinion, apply to the installation of amateur radio equipment as would commonly be found in most amateur radio stations. Direct excerpts from the Code are contained within inset quotations. Paraphrased excerpts from the Code are itemized. The author's interpretation and discussion of the Code is set full-width. The author's interpretation and discussion of various sections of the Code is not meant to be all-encompassing, nor the official interpretation of the National Fire Protection Association, nor of any official governing body having legal authority of jurisdiction over electrical installations, but is meant to be used as a teaching tool for amateur radio operators.

Robert D. Keys, NA4G  
Raleigh, NC,  
25 September, 1994.

Enjoy  
73 DE NA4G  
Boatanchor Bob

```
*****
* 73 TU SU SK DE NA4G          ``Boat Anchor Bob'', an ol' CW fart.  *
*****
* Morse has been in the family for over 100 years.                      *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914.  *
*****
* May you have fair winds and following seas on your watch at the key. *
*****
```

[ The files referred to in this 'readme' can be retrieved by  
anonymous ftp from two archive sites:

SunSITE.unc.edu (permanent)  
/pub/academic/agriculture/agronomy/ham/things-to-build/na4g

ftp.Cybernetics.NET (temporary)  
/pub/users/ab4el

For ease, the group of files have been 'rolled into one'...

nec-1994.tar.Z 861,677 bytes (for Unix jocks)  
nec-1994.zip 732,309 bytes (using PKZIP 2.04g for MS-DOS users)

Download one or the other according to your computer/print facilities.

Don't forget to set 'binary' mode before 'get'...else they will come to you as trash. :^)

de AB4EL ]

-----Cut Here-----

-----  
Date: 3 Oct 1994 18:00:21 GMT  
From: rkarlqu@scd.hp.com (Richard Karlquist)  
Subject: Should I build or buy a TV antenna?

In article <tjaCx1tz8.3xq@netcom.com>, T.J. Alessi <tja@netcom.com> wrote:

>  
>Look up the "LOG-PERIODIC ANTENNA" that is what the standard TV antenna is.  
>A log periodic antenna is a series of dipoles for different frequencies,  
>with the feed alternately fed. Meaning that the is crossed over left to  
>right. And don't forget, the spacing is very important too.

>  
>Good luck.

>  
>Tom

>--

>-----[ T.J. Alessi - WB1L ]-----  
>T.J. Alessi & Associates \* PO Box 16781 \* Stamford, Connecticut 06905-8781  
>Internet: TJA@Netcom.Com \* MCI:Alessi@MCIMail.Com \* Phone: +1(203)969-1880

1. You are confusing the log-periodic antenna with the log periodic dipole array (LPDA). They are not the same thing.

2. VHF TV antennas are not straight-out-of-the-textbook LPDA's anyway. On high VHF band (channels 7 thru 13), the elements are 3/4 wave length long and swept forward to form a sort of V-beam to get extra gain. (Ever wonder why only VHF TV antennas have swept elements, not UHF TV or any other LPDAs?). Hence one set of elements handles both high and low band.

3. Winegard makes a UHF TV antenna that is LPDA at one end and parasitic (Yagi type) at the other end. Works pretty well.

If you build a conventional LPDA from a book, you will definitely be at a disadvantage compared to the exotic commercial tricks I've listed above.

Rick N6RK  
rkarlqu@scd.hp.com



-----  
Date: Mon, 03 Oct 94 10:18:28 PDT  
From: w5kne@mcimail.com  
Subject: Voltage Conversion: USA to France

In article <jimr-300994094142@192.65.214.140>, <jimr@tamri.com> writes:

>  
> A friend is moving to France! He has a lot of Audio and video equipment.  
> He realizes the TV's won't work there so they are being left behind. I  
> believe they use 220 v there and I think they are on a 50 Hz power cycle.  
>  
> James V. Reveaux  
>

----- Response -----

For small appliances you can use travel adapters. For larger  
appliances there are step up/step down transformers available.  
I purchased a 400 watt unit from a Remington store. I suspect  
there are probably other stores that sell a similar product.  
73,  
Bob Winn, W5KNE  
w5kne@mcimail.com

-----  
Date: Mon, 03 Oct 1994 10:08:47 pdt  
From: dodeca!clyde@ucrmath.ucr.edu ("Clyde R. Visser, KD6GWN")  
Subject: WTB: UHF range ][ Syntor

Want To Buy:

UHF range ][ Syntor. Please contact me at cvisser@ucrmath.ucr.edu .

civ

-----  
Date: Mon, 3 Oct 1994 17:16:05 GMT  
From: tns@netcom.com (TNS)  
Subject: Yaesu FT-530 for sale

For sale:

Yaesu Ft-530 (Fully Moded)

2 batteries  
Originall charger  
Power Supply  
VOX Headset  
Leather Protective Case (for radio)

\$550.00, leave e-mail to tns@netcom.com if interested.

thanks,  
ben

--

```
*****
*   tns@netcom.com (Benjamin)   -   A good liar, needs to have an   *
*****                          excellent memory.                      *
*****
```

-----  
Date: 3 Oct 1994 12:34:56 -0500  
From: maultsby@bga.com (John Maultsby)

References<lestrade.780958492@Ra.MsState.Edu> <Cx3HH4.7Co@pica.army.mil>,  
<30CT199412100360@elroy.uh.edu>  
Subject: Re: Radio Shack Violation

In article <30CT199412100360@elroy.uh.edu>,  
Brad Killebrew N5LJV <n5ljv@uh.edu> wrote:  
>Mark Ellis said:  
>  
>>If you kerchunk a repeater, without identifying, license or not, you are  
>>also in violation.  
>  
>I don't want to cause a stink, but I don't think that's correct. By all  
>means I'm not implying that I am in favor of kerchunking, but I don't think  
>it's a rules violation if you kerchunk.

When most people speak of "kerchunk" (which is a hard word to use seriously in a conversation!), they are referring to the act of keying up the repeater just to see if its there, and not identifying.

Yes, if you do as you say, and identify within the next 10 minutes, then everything is fine. But yes again, it is indeed a rules violation if you just key up and don't identify.

Clear now?

>Remember that according to the rules,

>a ham station can initially talk up to 10 minutes without giving their call.  
>But, after the first 10 minutes is up, it has to be done every 10 minutes  
>thereafter.

>

>If I'm wrong, please correct me.

Be forewarned, some will probably jump all over you for that comment there. It's been a muchly heated debate as to whether or not you can go for that first 10 minutes without identifying. You know, "well, yeah.. the rules SAY that, but they don't MEAN that". I just ignore everyone and keep operating the way I operate, which has yet to find any complaints so far...

Talk later!

--

-----  
| John Maultsby (maultsby@bga.com) | Broadcasting live from Austin, TX |  
| Amateur callsign: AB5WH | Professional Night Owl |  
-----

-----  
Date: 3 Oct 1994 12:10 CDT  
From: n5ljv@uh.edu (Brad Killebrew N5LJV)

References<1994Sep30.172734.23514@news.csuohio.edu>  
<lestrade.780958492@Ra.MsState.Edu>, <Cx3HH4.7Co@pica.army.mil>  
Subject: Re: Radio Shack Violation

Mark Ellis said:

>If you kerchunk a repeater, without identifying, license or not, you are  
>also in violation.

I don't want to cause a stink, but I don't think that's correct. By all means I'm not implying that I am in favor of kerchunking, but I don't think it's a rules violation if you kerchunk.

Now, if you kerchunk, and then never begin a conversation, then yes it's an unidentified transmission and against the rules. But, on my side of the world, many hams kerchunk a repeater before they give a general call to rid the air of the repeater's CW ID. Then, after the ID has stopped, they call who they want to talk to. Remember that according to the rules, a ham station can initially talk up to 10 minutes without giving their call. But, after the first 10 minutes is up, it has to be done every 10 minutes thereafter.

If I'm wrong, please correct me.

--

Brad A. Killebrew N5LJV, EMT-B	Student of Computer Engr Technology
President, University of Houston ARC	University of Houston, Texas
Internet: n5ljv@uh.edu	U of H Amateur Radio Club WB5FND
AMPRnet : n5ljv@sugarland.ampr.org	uharc@post-office.uh.edu
Packet : n5ljv@f6cnb.#setx.tx.usa.na	Box 85-T2, 4800 Calhoun, 77204-4083
AT&Tnet : 713-743-6676 Fax 743-4032	For info, finger tech14c@jetson.uh.edu

-----

Date: 3 Oct 94 18:32:19 -0400  
From: grimm@alison.sbc.edu (Kenneth Grimm)

References<780893022snx@llondel.demon.co.uk> <Cx22LF.7Lp@news.Hawaii.Edu>,  
<Cx232r.7pC@news.Hawaii.Edu>  
Subject: Re: GB2RS News 2nd October 1994READ/NEW/FOLLOWUP

>>>Good morning. It's Sunday the 2nd of October and here is the GB2RS news  
>>>broadcast, prepared by the RSGB and intended for all radio amateurs and  
>>>short-wave listeners.

>>>.....

>>>Packet repeaters, GB7WH and GB7MC, on 4 metres, 70 centimetres and 23  
>> ^^^^^^^

>>Is this an error or do the Brits actually have a 75 meter band?

> ^^^^^

> That's definitely an error! I meant MHz of course. Never touch a  
> keyboard prior to the morning coffee.

As I recall from the days when I was G5BKN, we had (and I assume that  
they still do) an allocation that was known as the 70.3 Mc/s band.  
There was no 50 Mc/s allocation there.

--

-----  
Kenneth D. Grimm K4XL  
grimm@alison.sbc.edu  
-----

-----

Date: Mon, 3 Oct 1994 16:03:09 GMT  
From: mgray@bfsec.bt.co.uk (Mark Gray)

References<780893022snx@llondel.demon.co.uk> <Cx22LF.7Lp@news.Hawaii.Edu>,  
<Cx232r.7pC@news.Hawaii.Edu>  
Reply-To: mgray@bfsec.bt.co.uk

Subject: Re: GB2RS News 2nd October 1994

Jeffrey Herman (jeffrey@kahuna.tmc.edu) wrote:

: jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:

: >dave@llondel.demon.co.uk (David Hough) writes:

: >

: >>Good morning. It's Sunday the 2nd of October and here is the GB2RS news

: >>broadcast, prepared by the RSGB and intended for all radio amateurs and

: >>short-wave listeners.

: >>.....

: >>Packet repeaters, GB7WH and GB7MC, on 4 metres, 70 centimetres and 23

: > ^^^^^^^

: >Is this an error or do the Brits actually have a 75 meter band?

: ^^^^^

: That's definitely an error! I meant MHz of course. Never touch a

: keyboard prior to the morning coffee.

: Jeff NH6IL

The UK does indeed have an allocation on 4 metres. To quote from the licence terms and conditions. Frequency 70.00-70.50 MHz, available on the basis of non-interference to other services outside the United Kingdom. Max power level of 22dBW and permitted types of transmission morse, telephony, RTTY, data, facsimile and SSTV.

73s Mark, GI7SEI.

-----  
Date: Mon, 3 Oct 1994 15:39:21 GMT

From: jeffrey@kahuna.tmc.edu (Jeffrey Herman)

References<CwHy4y.BAx@odin.corp.sgi.com> <Cx2DpE.MvC@world.std.com>,  
<linleyCx33BM.Fvp@netcom.com>

Subject: Re: Why is aviation COM VHF \*amplitude\* modulated?

linley@netcom.com (Bruce James Robert Linley) writes:

>In ye olden post jjmartin@world.std.com (James J Martin) spake...

>>Ever occur to you that two stations transmitting an AM signal at the same

>>time produce a hetrodyne squeal and that because of the capture effect of

>>FM a squeal may not always be there? Helps a controller out to know that

>>more than one aircraft may be calling him and one may be an emergency or

>>require expeditious handling (doesn't always occur on 121.5 or 243.0).

>Well, \_narrowband\_ FM is really too narrow for the capture effect to work

>very well. Listen to your local 2m repeater where all the jammers hang out.

>That should give you more than your fill of hetrodyne squeal. If the capture

>effect held true, you would only hear one jammer at a time. :) The  
>capture effect is only significant on wideband FM transmissions.

This isn't true Bruce if one of the stations is quite weak; you're  
assuming all stations will have the same signal strength into the  
repeater.

As an example, if two repeaters share the same output with one quite  
weak, when the stronger one keys up there will be no heterodyne squeal  
from the more distant weaker machine.

I'm going to call the local FAA office and speak with a tech to get  
the definitive answer.

Jeff NH6IL

-----  
Date: 3 Oct 1994 08:32:11 -0700  
From: zardoz@ornews.intel.com (Jim Garver)

References<jdow.781000539@BIX.com> <36nhj1\$lq3@jupiter.planet.net>,  
<Pine.SUN.3.90.941003013741.25624G-100000@access1.digex.net>  
Subject: Re: 6 meter AM Activity

In article <Pine.SUN.3.90.941003013741.25624G-100000@access1.digex.net>,  
Tony Stalls <rstalls@access1.digex.net> wrote:

>  
>Don't hold me to this, but I hear that 50.4 is the accepted AM calling  
>frequency. (I already have an 8400 xtal for the Scout.) Stay in touch  
>and maybe we can hook up on 6 meters this Fall.

We had some 6 meter AM activity here in the Portland, OR area about a year  
ago on 50.4 Mhz. I have a Clegg 99'er and I gave my Clegg 66'er to a guy  
up North of Vancouver, WA. About 4 stations were successful in contacts  
with paths greater than 10 miles. I need to rouse the rabble and get those  
rigs back on! Antennas are always a problem for 6, but I guess the quarter  
wave ground plane works easiest. Most of those old rigs use a multiplication  
factor of 6 so 8400 Khz is the right rock.

--  
zardoz@ornews.intel.com WA7LDV "Each day is like a crisp new dollar bill.  
I speak only for myself. How will you spend it?" - Barnaby Jones

Date: 3 Oct 94 15:46:44 GMT

From: hawley@aries.scs.uiuc.edu (Chuck Hawley)

References<hpaik.99.2E808722@silver.sdsmt.edu> <hawley.780244114@aries>,  
<veltmanCwz887.GCH@netcom.com>

Subject: Re: Collins Newsletter???

veltman@netcom.com (paul Veltman) writes:

>Chuck Hawley (hawley@aries.scs.uiuc.edu) wrote:

>: hpaik@silver.sdsmt.edu (H. Paik) writes:

>: >>Is there such a thing? If so, where do I write/email for a listing?

>: >I am not sure it is still running.

>: >They have a collins net on 14.233 (?) around 2:00-4:00pm (MST) on Sun.

>: >The net controller (Jay ?) is the publisher.

>: >He lives in my town. If you need more info, let me know.

>: >kf0bi

>: It's 14.263 +/-tube type vfo drift.

>: Chuck Hawley, KE9UW in Urbana, Illinois

>: hawley@aries.scs.uiuc.edu

>: School of Chemical Sciences, Electronic Services

>: University of Illinois, Urbana-Champaign

>First of all, it's not tube type VFO drift. It is automatic band scanning.

>Second, the Collins Collectors Magazine can be reached at 2465 W. Chicago

>St, Rapid City, SD, 57702

>BTW, I haven't received a copy in a while. I know that the publisher was

>having some health problems. Do you (or anybody) know the status of this

>magazine. The magazines were great.

>73

>Paul WA6OKQ <veltman@netcom.com>

I don't know. I talk to Floyd KF8AT every nite....I'll ask. I figured that'  
my sub ran out, but wasn't sure.

Chuck Hawley, KE9UW in Urbana, Illinois  
hawley@aries.scs.uiuc.edu  
School of Chemical Sciences, Electronic Services  
University of Illinois, Urbana-Champaign

-----

End of Info-Hams Digest V94 #1090

\*\*\*\*\*